

TITLE VII – RESEARCH AND RELATED MATTERS

Section-By-Section

Subtitle A—National Agricultural Research, Extension, and Teaching Policy Act of 1977

SEC. 7001. DEFINITIONS.

This section expands the definition of college and university to include research foundations maintained by a college or university. The section also defines the term “Hispanic-serving Institution”. (7 U.S.C. 3103; Section 1404)

SEC. 7002. NATIONAL AGRICULTURAL RESEARCH, EXTENSION, EDUCATION, AND ECONOMICS ADVISORY BOARD.

This section reauthorizes the National Agricultural Research, Extension, Education, and Economics Advisory Board. (7 U.S.C. 3123 (h); Section 1408(h))

SEC. 7003. VETERINARY MEDICINE LOAN REPAYMENT.

This section sets a deadline for rulemaking to implement the National Veterinary Medical Services Act, a program for loan repayment for veterinarians who work in areas of veterinarian shortage. (7 U.S.C. 3151a; Section 1415A)

SEC. 7004. ELIGIBILITY OF UNIVERSITY OF THE DISTRICT OF COLUMBIA FOR GRANTS AND FELLOWSHIPS FOR FOOD AND AGRICULTURAL SCIENCES EDUCATION.

This section authorizes University of the District of Columbia (UDC) to participate in grants and fellowships for agricultural sciences education. (7 U.S.C. 3152; Section 1417)

SEC. 7005. GRANTS TO 1890 INSTITUTIONS TO EXPAND EXTENSION CAPACITY.

This section authorizes 1890 institutions to expand extension capacity. (7 U.S.C. 3152(b)(4); Section 1417(b)(4)).

SEC. 7006. EXPANSION OF FOOD AND AGRICULTURAL SCIENCES AWARD.

This section expands the current National Agricultural Teaching Award to include, research and extension. (7 U.S.C. 3152(i); Section 1417(i))

SEC. 7007. GRANTS AND FELLOWSHIPS FOR FOOD AND AGRICULTURAL SCIENCES EDUCATION.

This section reauthorizes appropriations for grants and fellowships for food and agricultural sciences education. It also adds agriculture programs for grades K-12 to the purposes of these grants, and requires a report to Congress on the distribution of funds for teaching programs under this section. (7 U.S.C. 3152 (j), 7 U.S.C. 3152, 7 U.S.C. 3152(l); Sections 1417(j), 1417, 1417(l))

- Authorizes \$60,000,000 per year

SEC. 7008. GRANTS FOR RESEARCH ON PRODUCTION AND MARKETING OF ALCOHOLS AND INDUSTRIAL HYDROCARBONS FROM AGRICULTURAL COMMODITIES AND FOREST PRODUCTS.

This section reauthorizes appropriations for grants to colleges, universities, and Federal laboratories to conduct research related to alcohol and other forms of biomass fuels, and the development of the most economical and commercially feasible means of producing, collecting, and transporting agricultural crops, wastes, residues, and byproducts for use as feedstocks for the production of alcohol and other forms of biomass energy sciences education. (7 U.S.C. 3154(d); Section 1419(d))

- Authorizes \$20,000,000 per year

SEC. 7009. POLICY RESEARCH CENTERS.

This section reauthorizes appropriations for grants and cooperative agreements with policy research centers to conduct research and education programs concerning the effect of policies on the farm and agricultural sectors; the environment; rural families and economies; and consumers, food and nutrition. (7 U.S.C. 3155; Section 1419A)

- Authorizes such sums as necessary per year

SEC. 7010. HUMAN NUTRITION INTERVENTION AND HEALTH PROMOTION RESEARCH PROGRAM.

This section reauthorizes appropriations for a multi-year research initiative on human nutrition intervention and health promotion. (7 U.S.C. 3174(d); Section 1424(d))

- Authorizes such sums as necessary per year

SEC. 7011. PILOT RESEARCH PROGRAM TO COMBINE MEDICAL AND AGRICULTURAL RESEARCH.

This section reauthorizes appropriations for a pilot research program to link major cancer and heart disease research efforts with agricultural research efforts to identify compounds in vegetables and fruits that prevent these diseases. (7 U.S.C. 3174a(d); Section 1424A(d))

- Authorizes \$10,000,000 per year

SEC. 7012. NUTRITION EDUCATION PROGRAM.

This section authorizes 1890 institutions and UDC to receive funds for the Expanded Food and Nutrition Education Program (EFNEP) and sets a minimum for fund distribution. It also reauthorizes appropriations to carry out the food and nutrition education program. (7 U.S.C. 3175; Section 1425)

- Authorizes \$83,000,000 per year

SEC. 7013. CONTINUING ANIMAL HEALTH AND DISEASE RESEARCH PROGRAMS.

This section reauthorizes appropriations to support continuing animal health and disease research programs. (7 U.S.C. 3195(a); Section 1433(a))

- Authorizes \$20,000,000 per year

SEC. 7014. APPROPRIATIONS FOR RESEARCH ON NATIONAL OR REGIONAL PROBLEMS.

This section reauthorizes appropriations to support research on specific national or regional animal health or disease problems, or national or regional problems relating to pre-harvest, on-farm food safety. (7 U.S.C. 3196(a), Section 1434(a))

- Authorizes \$35,000,000 per year

SEC. 7015. ANIMAL HEALTH AND DISEASE RESEARCH PROGRAM.

This section clarifies that 1890 institutions are eligible for grants under this section 1434 (b) of the National Agriculture Research, Extension, and Teaching Policy Act of 1977. (7 U.S.C. 3196(b); Section 1434(b))

SEC. 7016. AUTHORIZATION LEVEL FOR EXTENSION AT 1890 LAND-GRANT COLLEGES

This section increases the percentage of the Smith-Lever (extension) formula fund that is allocated to 1890 institutions from 15 percent to 20 percent. (7 U.S.C. 3221(a)(2); Section 1444(a)(2))

SEC. 7017. AUTHORIZATION LEVEL FOR AGRICULTURAL RESEARCH AT 1890 LAND-GRANT COLLEGES.

This section increases percentage of the Hatch Act (research) formula fund that is allocated to 1890 institutions from 25 percent to 30 percent. (7 U.S.C. 3222(a)(2); Section 1445(a)(2))

SEC. 7018. GRANTS TO UPGRADE AGRICULTURAL AND FOOD SCIENCES FACILITIES AT 1890 LAND-GRANT COLLEGES, INCLUDING TUSKEGEE UNIVERSITY.

This section reauthorizes appropriations for grants to 1890 land-grant institutions to

acquire and improve agricultural and food sciences facilities and equipment. (7 U.S.C. 3222b(b); Section 1447(b))

- Authorizes \$25,000,000 per year

SEC. 7019. GRANTS TO UPGRADE AGRICULTURE AND FOOD SCIENCES FACILITIES AT THE DISTRICT OF COLUMBIA LAND GRANT UNIVERSITY.

This section authorizes appropriations for grants to be made to UDC to acquire, alter, or repair facilities or relevant equipment necessary for conducting agricultural research. (7 U.S.C. 3222b; Section 1447 – adds section 1447A)

- Authorizes \$750,000 per year

SEC. 7020. NATIONAL RESEARCH AND TRAINING VIRTUAL CENTERS.

This section reauthorizes appropriations to make a competitive grant to five national research and training virtual centers located at 1890 land-grant institutions. (7 U.S.C. 3222c; Section 1448)

- Authorizes \$2,000,000 per year

SEC. 7021. MATCHING FUNDS REQUIREMENT FOR RESEARCH AND EXTENSION ACTIVITIES OF 1890 INSTITUTIONS.

This section reauthorizes the requirement for States to provide matching funds to be provided to 1890 land-grant institutions for agricultural research, extension, and education activities. (7 U.S.C. 3241; Section 1455)

SEC. 7022. HISPANIC-SERVING INSTITUTIONS.

This section reauthorizes appropriations to make competitive grants to Hispanic-serving institutions to promote and strengthen the institutions' abilities to carry out education, applied research, and related community development programs. It also single institutions to receive grants. (7 U.S.C. 3241; Section 1455)

- Increases authorization from \$20,000,000 to \$40,000,000 per year

SEC. 7023. HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES.

This section authorizes the establishment of an endowment fund to provide funds to Hispanic-serving agricultural colleges and universities. It also authorizes appropriations for institutional capacity-building grants, competitive grants, and extension at Hispanic-serving agricultural colleges and universities (7 U.S.C. 3241; Section 1455 – creates section 1456)

- Authorizes such sums as necessary per year

SEC. 7024. INTERNATIONAL AGRICULTURAL RESEARCH, EXTENSION, AND EDUCATION.

This section expands the international agricultural research, extension, and education program at USDA to prioritize institutions that have existing agreements with U.S. institutions, to expand eligibility to Hispanic-serving agricultural colleges and universities, and to establish a fellowship program for students to study at foreign agricultural colleges and universities. (7 U.S.C. 3291 (a); Section 1458(a))

SEC. 7025. COMPETITIVE GRANTS FOR INTERNATIONAL AGRICULTURAL SCIENCE AND EDUCATION PROGRAMS.

This section reauthorizes appropriations to make competitive grants directed to agricultural research, extension, and teaching activities to colleges and universities to strengthen U.S. economic competitiveness and promote international market development. (7 U.S.C. 3292b(c); Section 1459A(c))

- Authorizes such sums as necessary per year

SEC. 7026. INDIRECT COSTS.

This section raises the allowance of indirect costs a recipient institution can receive from a grants awarded by the Department to 30 percent from the current rate of 19 percent. (7 U.S.C. 3310; Section 1462(a))

SEC. 7027. RESEARCH EQUIPMENT GRANTS.

This section reauthorizes appropriations for competitive grants for the acquisition of special purpose scientific research equipment for use in the food and agricultural science programs of eligible institutions. (7 U.S.C. 3310a(e); Section 1462A(e))

- Authorizes such sums as necessary per year

SEC. 7028. UNIVERSITY RESEARCH.

This section reauthorizes appropriations for certain existing and new agricultural research programs. (7 U.S.C. 3311; Section 1463)

- Authorizes such sums as necessary per year

SEC. 7029. EXTENSION SERVICE.

This section reauthorizes appropriations for extension programs of the Department of Agriculture. (7 U.S.C. 3312; Section 1464)

- Authorizes such sums as necessary per year

SEC. 7030. SUPPLEMENTAL AND ALTERNATIVE CROPS.

This section reauthorizes appropriations for a research project for the development of supplemental and alternative crops. (7 U.S.C. 3319d(a); Section 1473D(a))

- Authorizes such sums as necessary per year

SEC. 7031. AQUACULTURE RESEARCH FACILITIES.

This section reauthorizes appropriations for research and extension at eligible institutions to increase the production and marketing of aquacultural food products. It also prioritizes the study and management of viral hemorrhagic septicemia (VHS) under this section. (7 U.S.C. 3322(f), 7 U.S.C. 3324; Section 1475(f), Section 1477)

- Authorizes \$7,500,000 per year

SEC. 7032. RANGELAND RESEARCH.

This section reauthorizes appropriations for grants to land-grant colleges and universities, State agricultural experiment stations, and other institutions to conduct rangeland research. (7 U.S.C. 3336(a); Section 1483(a))

- Authorizes \$10,000,000 per year

SEC. 7033. SPECIAL AUTHORIZATION FOR BIOSECURITY PLANNING AND RESPONSE.

This section reauthorizes appropriations for biosecurity planning and response. (7 U.S.C. 3351(a); Section 1484(a))

- Authorizes such sums as necessary per year

SEC. 7034. RESIDENT INSTRUCTION AND DISTANCE EDUCATION GRANTS PROGRAM FOR INSULAR AREA INSTITUTIONS OF HIGHER EDUCATION.

This section reauthorizes appropriations for the Secretary to make competitive or non-competitive grants to eligible institutions in insular areas to strengthen distance food and agricultural education programs using digital network technologies. This section also reauthorizes appropriations for competitive grants to insular area institutions to strengthen food and agricultural science education. (7 U.S.C. 3362(f), 7 U.S.C. 3363; Section 1490(f), Section 1491).

- Authorizes such sums as necessary per year

SEC. 7035. FARM MANAGEMENT TRAINING AND PUBLIC FARM BENCHMARKING DATABASE.

This section authorizes the secretary to establish a National Farm Management Center to improve farm management knowledge and skills of agriculture producers through an education program and creation of a database that allows producers to compare farm management data with other producers. It also authorizes appropriations for the center and database. (7 U.S.C. 3313; Section 1467 creates section 1468)

- Authorizes such sums as necessary per year

Sec. 7036. TROPICAL AND SUBTROPICAL AGRICULTURAL RESEARCH.

This section establishes a competitive program for research on tropical and subtropical agriculture, and authorizes appropriations for the program. (7 U.S.C. 3310 et seq., Subtitle K creates section 1473E)

- Authorizes such sums as necessary per year

SEC. 7037. REGIONAL CENTERS OF EXCELLENCE.

This section authorizes the secretary to establish regional centers of excellence where federal, state, and industry dollars fund research applicable to a specific commodity. It also authorizes appropriations for the centers. (7 U.S.C. 3310 et. Seq., subtitle K, creates section 1473F)

- Authorizes such sums as necessary per year

SEC. 7038. NATIONAL DROUGHT MITIGATION CENTER.

This section authorizes the Secretary to enter into an agreement with the National Drought Mitigation Center. It also authorizes appropriations for the Center. (7 U.S.C. 3310 et seq., creates section 1473G)

- Authorizes \$5,000,000 per year

SEC. 7039. AGRICULTURAL DEVELOPMENT IN THE AMERICAN-PACIFIC REGION.

This section authorizes the establishment of consortia of institutions in the American-Pacific region to carry out integrated research, extension, and instruction programs in support of food and agricultural sciences. It also authorizes appropriations for the consortia. (7 U.S.C. 3310 et seq., creates section 1473H)

- Authorizes such sums as necessary per year

SEC. 7040. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP PROGRAM.

This section authorizes appropriations for the Borlaug International Agricultural Science and Technology Fellowship Program. The program is currently administered by USDA and fellowships are granted when funding is available. This fellowship program brings scientists from developing countries to a U.S. land-grant institution to learn about improving agricultural productivity. (7 U.S.C. 3310 et seq., creates section 1473I)

- Authorizes such sums as necessary per year

SEC. 7041. NEW ERA RURAL TECHNOLOGY PROGRAM.

This section establishes a program to make grants to community colleges for development of an agriculture-based renewable energy workforce. It also authorizes appropriations for the program. (7 U.S.C. 3310 et seq., creates section 1473J)

- Authorizes such sums as necessary per year

SEC. 7042. FARM AND RANCH STRESS ASSISTANCE NETWORK.

This section establishes a farm and ranch stress assistance network to provide behavioral programs to participants in the U.S. agricultural sector. It also authorizes appropriations for the network. (7 U.S.C. 3310 et seq., creates section 1473K)

- Authorizes such sums as necessary per year

SEC. 7043. RURAL ENTREPRENEURSHIP AND ENTERPRISE FACILITATION PROGRAM.

This section establishes a program to promote rural entrepreneurship, rural business development, and collaboration among rural entrepreneurs, local business communities, non profit organizations, and K-12 and higher educational institutions. It also provides rural entrepreneurs with technical assistance and access to capital; it studies the best methods of entrepreneurial training. (7 U.S. C. 3310 et seq., creates section 1473L)

- Authorizes such sums as necessary per year

SEC. 7044. SEED DISTRIBUTION

This section establishes a program that distributes vegetable seeds to underserved communities free-of-charge. It also authorizes appropriations for the program. (7 U.S.C. 3310 et seq., creates section 1473M)

- Authorizes such sums as necessary per year

SEC. 7045. FARM AND RANCH SAFETY

This section establishes a grant program to carry out projects to decrease the incidence of injury and death on farms and ranches. It also authorizes appropriations for the program. (7 U.S.C. 3310 et seq., creates section 1473N)

- Authorizes such sums as necessary per year

SEC. 7046. WOMEN AND MINORITIES IN STEM FIELDS

This section establishes a grant program to increase participation by women and underrepresented minorities from rural areas in science, technology, engineering, and mathematics fields (STEM fields). It also authorizes appropriations for the program. (7 U.S.C. 3310 et seq., creates section 1473O)

- Authorizes such sums as necessary per year

SEC. 7047. NATURAL PRODUCTS RESEARCH PROGRAM

This section establishes a research program relating to discover, develop and commercialize pharmaceuticals and agrichemicals from natural products, including those from plants, marine and microbial sources. It also authorizes appropriations for the program. (7 U.S.C. 3310 et seq., creates section 1473P)

- Authorizes such sums as necessary per year

SEC. 7048. INTERNATIONAL ANTI-HUNGER AND NUTRITION PROGRAM

This section authorizes the Secretary to support nonprofit organizations that focus on promoting research concerning anti-hunger and improved nutrition efforts internationally, and increased quantity, quality, and availability of food. (7 U.S.C. 3310 et seq., creates section 1473Q)

- Authorizes \$1,000,000 per year

SEC. 7049. CONSORTIUM FOR AGRICULTURAL AND RURAL TRANSPORTATION RESEARCH AND EDUCATION.

This section establishes a research program focusing on critical rural and agricultural transportation and logistics issues facing agricultural producers and other rural businesses. (7 U.S.C. 3310 et seq., creates section 1473R)

- Authorizes \$19,000,000 per year

Subtitle B—Food, Agriculture, Conservation, and Trade Act of 1990

SEC. 7101. NATIONAL GENETIC RESOURCES PROGRAM.

This section reauthorizes appropriations for the National Genetic Resources Program that provides for the collection, preservation, and dissemination of genetic material of importance to food and agriculture production in the United States. (7 U.S.C. 5841; Section 1632)

- Adds research on plant and animal breeding to the purposes and functions of this program.
- Authorizes such sums as necessary per year

SEC. 7102. HIGH-PRIORITY RESEARCH AND EXTENSION INITIATIVES.

This section adds the following to the list of high-priority research and extension initiatives: Colony Collapse Disorder; Marine Shrimp Farming Program; Cranberry Research Program; Turfgrass Research Initiative; Pesticide Safety Research Initiative; Swine Genome Project; High Plains Aquifer Region; Cellulosic Feedstock Transportation and Delivery Initiative; Deer Initiative; Pasture-Based Beef Ssystems. This section also reauthorizes appropriations for competitive grants for the specified high-priority research and extension initiatives. (7 U.S.C. 5925; Section 1672)

- Authorizes \$20,000,000 per year for the Colony Collapse Disorder initiative, and such sums as necessary per year for the rest of the initiatives.

SEC. 7103. NUTRIENT MANAGEMENT RESEARCH AND EXTENSION INITIATIVE.

This section reauthorizes appropriations for competitive grants for the nutrient management research and extension initiative. (7 U.S.C. 5925a; Section 1672A)

- Authorizes such sums as necessary per year per year

SEC. 7104. ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE.

This section reauthorizes mandatory funds for the Organic Research and Extension Initiative, which enhances the ability of organic producers and processors to grow and market organic food, feed, and fiber. (7 U.S.C. 5925b; Section 1672B)

- Authorizes \$16,000,000 in mandatory funding per year

SEC. 7105. AGRICULTURAL TELECOMMUNICATIONS PROGRAM.

This section reauthorizes appropriations to encourage the development and utilization of an agricultural communications network to strengthen agricultural extension, resident education and research, and marketing of agricultural commodities. (7 U.S.C. 5926(h); Section 1673(h))

- Authorizes \$12,000,000 per year

SEC. 7106. ASSISTIVE TECHNOLOGY PROGRAM FOR FARMERS WITH DISABILITIES.

This section reauthorizes appropriations for demonstration grants to support cooperative programs between the Extension Service and private nonprofit disability organizations to provide agricultural education and assistance for individuals with disabilities who are engaged in farming. (7 U.S.C. 5933(c)(1); Section 1680(c)(1))

- Authorizes \$6,000,000 per year

SEC. 7107. NATIONAL RURAL INFORMATION CENTER CLEARINGHOUSE.

This section reauthorizes appropriations for the National Rural Information Center Clearinghouse to provide and distribute information and data to any industry, organization, or Federal, State, or local government entity about programs and services provided in rural areas. (7 U.S.C. 3125b(e); Section 2381(e))

- Authorizes \$500,000 per year

Subtitle C—Agricultural Research, Extension, and Education Reform Act of 1998

SEC. 7201. INITIATIVE FOR FUTURE AGRICULTURE AND FOOD SYSTEMS.

This section adds sustainable and renewable agriculture-based energy production, ecosystem services, and beginning farmers and ranchers to the purposes of the Initiative for Future Agriculture and Food Systems (IFAFS). It also allows 32% of appropriated funds for the National Research Initiative (NRI) to go towards IFAFS projects. (7 U.S.C. 7621(b) and (c); Section 401(b) and (c))

- Authorizes such sums as necessary per year; mandatory funds are

eliminated.

SEC. 7202. PARTNERSHIPS FOR HIGH-VALUE AGRICULTURAL PRODUCT QUALITY RESEARCH.

This section reauthorizes appropriations for eligible institutions and partnerships to enhance U.S. commodity competitiveness and increase exports through research and extension activities on high-value agricultural products. (7 U.S.C. 7622(g); Section 402(g))

- Authorizes such sums as necessary per year

SEC. 7203. PRECISION AGRICULTURE.

This section reauthorizes appropriations for grants to promote precision agriculture. (7 U.S.C. 7623(i)(1); Section 403(i)(1))

- Authorizes such sums as necessary per year

SEC. 7204. BIOBASED PRODUCTS.

This section reauthorizes appropriations for (1) cooperative agreements with private entities to use the facilities and expertise of ARS to develop and commercialize new biobased products (products derived from forestry or renewable agricultural materials), and (2) to carry out an ARS-based pilot project on biobased products. (7 U.S.C. 7624(e)(2); Section 404(e)(2))

- Authorizes such sums as necessary per year

SEC. 7205. THOMAS JEFFERSON INITIATIVE FOR CROP DIVERSIFICATION.

This section reauthorizes appropriations for the Thomas Jefferson Initiative for Crop Diversification for the production and marketing of new and nontraditional crops to strengthen and diversify agricultural production. (7 U.S.C. 7625(h); Section 405(h))

- Authorizes such sums as necessary per year

SEC. 7206. INTEGRATED RESEARCH, EDUCATION, AND EXTENSION COMPETITIVE GRANTS PROGRAM.

This section reauthorizes appropriations for an integrated research, education, and extension matching grant program. (7 U.S.C. 7626(f); Section 406(f))

- Authorizes such sums as necessary per year

SEC. 7207. SUPPORT FOR RESEARCH REGARDING DISEASES OF WHEAT, TRITICALE, AND BARLEY CAUSED BY FUSARIUM GRAMINEARUM OR BY TILLETIA INDICA.

This section reauthorizes appropriations for grants to consortia of land grant colleges and universities for research on diseases of wheat, triticale, and barley caused by *Fusarium*

graminearum or *Tilletia indica* (wheat scab or Karnal bunt, respectively) and related fungi. (7 U.S.C. 7628(e); Section 408(e))

- Authorizes such sums as necessary per year

SEC. 7208. BOVINE JOHNE'S DISEASE CONTROL PROGRAM.

This section reauthorizes appropriations for research, testing and evaluation for the control and management of Johne's Disease in livestock. (7 U.S.C. 7629(b); Section 409(b))

- Authorizes such sums as necessary per year

SEC. 7209. GRANTS FOR YOUTH ORGANIZATIONS.

This section reauthorizes appropriations for pilot projects to expand youth organization programming in rural areas. (7 U.S.C. 7630(c); Section 410(c))

- Authorizes such sums as necessary per year

SEC. 7210. AGRICULTURAL BIOTECHNOLOGY RESEARCH AND DEVELOPMENT FOR DEVELOPING COUNTRIES.

This section reauthorizes appropriations to make competitive grants to institutions or nonprofit organizations to develop agricultural biotechnology for developing countries. (7 U.S.C. 7631(c); Section 411(c))

- Authorizes such sums as necessary per year

SEC. 7211. SPECIALTY CROP RESEARCH INITIATIVE

This section authorizes a specialty crop research initiative at the Department of Agriculture through the Agricultural Research Service and extramural competitive grants. Priorities for the initiative include research on: plant breeding, genetics, and genomics; invasive species; mechanization; food safety.

- Authorizes \$16,000,000 in mandatory funds per year

SEC. 7212. OFFICE OF PEST MANAGEMENT POLICY.

This section modifies the placement of this office to the Office of the Chief Economist. (7 U.S.C. 7653(b); Section 614(b)) The section also reauthorizes appropriations for an Office of Pest Management Policy within the Department of Agriculture to develop and coordinate Department policy on pest management and pesticides, to coordinate with other Federal and State agencies and to provide outreach services. (7 U.S.C. 7653(f); Section 614(f))

- Authorizes such sums as necessary per year

SEC. 7213. FOOD ANIMAL RESIDUE AVOIDANCE DATABASE PROGRAM.

This section authorizes appropriations for the Food Animal Residue Avoidance Database

program. (7 U.S.C. 7642; Section 604)

- Authorizes \$2,500,000 per year

Subtitle D—Other Laws

SEC. 7301. CRITICAL AGRICULTURAL MATERIALS ACT.

This section reauthorizes appropriations for the Critical Agricultural Materials Act. (7 U.S.C. 178n(a); Section 16(a))

- Authorizes such sums as necessary per year

SEC. 7302. EQUITY IN EDUCATIONAL LAND-GRANT STATUS ACT OF 1994.

This section: adds Ilisagvik College in Alaska to the list of land-grant tribal colleges known as 1994 colleges ; reauthorizes appropriations for the endowment of the 1994 land-grant colleges; reauthorizes appropriations for constructing, acquiring, and remodeling buildings, laboratories, and other capital facilities at the 1994 colleges; reauthorizes appropriations for research grants to the 1994 land-grant colleges to conduct agricultural research that addresses high priority concerns of tribal, national, or multi-state significance. (7 U.S.C. 301 note; Sections 532, 535, 536(c))

- Authorizes \$1,700,000 per year for capacity-building grants
- Authorizes such sums as necessary per year for research grants

SEC. 7303. SMITH-LEVER ACT.

This section: requires a 50% match of funds from the District of Columbia for UDC to receive formula funds for agricultural extension, and it allows the Secretary to waive this requirement if necessary; authorizes 1890 institutions to participate in the Children, Youth, and Families Education and Research Network Program; eliminates the Governor's Report Requirement for extension. (7 U.S.C. 343, 7 U.S.C. 345; Sections 3 and 5)

SEC. 7304. HATCH ACT OF 1887.

This section requires a 50% match of funds from the District of Columbia for UDC to receive formula funds for agricultural extension, and it allows the Secretary to waive this requirement if necessary. (7 U.S.C. 361c(d)(4); Section 3(d)(4)). It also eliminates Penalty Mail Authorities for agricultural experiment stations and the cooperative extension service. (7 U.S.C. 361f, 7 U.S.C. 3221(f), 7 U.S.C. 3222(e); Sections 6, NARETPA 1444(f), NARETPA1445(e))

SEC. 7305. RESEARCH FACILITIES ACT.

This section reauthorizes appropriations as necessary for the study, plan, design, structure, and related costs of agricultural research facilities under the Research Facilities Act. (7 U.S.C. 390d(a); Section 6(a))

- Authorizes such sums as necessary per year

SEC. 7306. NATIONAL AGRICULTURAL RESEARCH, EXTENSION, AND TEACHING POLICY ACT AMENDMENTS OF 1985.

This section reauthorizes appropriations for the cost of planning, construction, and other public improvements for Federal agricultural research facilities. (99 Stat. 1556; Section 1431)

- Authorizes such sums as necessary per year

SEC. 7307. COMPETITIVE, SPECIAL, AND FACILITIES RESEARCH GRANT ACT.

This section: reauthorizes appropriations for the National Research Initiative (NRI); adds research on agricultural genomics and biotechnology, classical animal and plant breeding, and beginning farmers and ranchers to the research priorities of the NRI; extends the availability of grant funds for classical plant and animal breeding to ten years. (7 U.S.C. 450i)

- Authorizes \$500,000,000 per year

SEC. 7308. EDUCATION GRANTS TO ALASKA NATIVE SERVING INSTITUTIONS AND NATIVE HAWAIIAN SERVING INSTITUTIONS.

This section permits consortia of Alaska Native and Native Hawaiian Serving Institutions to designate fiscal agents and allocate funds for their members. (7 U.S.C. 3242; Section 759 of 2000 Agriculture Appropriations Act)

SEC. 7309. BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM.

This section: reauthorizes appropriations for competitive grants to support new and established local and regional training, education outreach, and technical initiatives for beginning farmers or ranchers; incorporates energy conservation efficiency and transition to organic farming into the programs and services eligible to receive competitive grants under this program; limits grants under this program to \$250,000; modifies the evaluation criteria for grants under this program; ensures geographic diversity of grants under this program; adds organizations that work with refugee or immigrant farmers or ranchers as eligible for grants. (7 U.S.C. 3319f(c); Section 7405(c) FSRJA)

- Authorizes such sums as necessary per year

SEC. 7310. MCINTIRE-STENNIS COOPERATIVE FORESTRY ACT.

This section authorizes 1890 institutions to participate in the McIntire-Stennis cooperative forestry program. (16 U.S.C. 582a-1; Section 2)

SEC. 7311. NATIONAL AQUACULTURE ACT OF 1980.

This section reauthorizes appropriations for the Department of Agriculture, Department

of Commerce, and the Department of Interior for funding for the National Aquaculture Act of 1980. (16 U.S.C. 2809; Section 10)

- Authorizes \$1,000,000 per year

SEC. 7312. NATIONAL ARBORETUM

This section authorizes construction for a Chinese Garden at the National Arboretum. (20 U.S.C. 191 et seq., adds Section 7 to Act of March 4, 1927)

SEC. 7313. ELIGIBILITY OF UNIVERSITY OF THE DISTRICT OF COLUMBIA FOR CERTAIN LAND-GRANT UNIVERSITY ASSISTANCE.

This section authorizes UDC to receive formula funds for agricultural extension. (88 Stat. 1428; Section 208 of DC Public Postsecondary Education Reorganization Act)

SEC. 7314. ENHANCED USE LEASE AUTHORITY.

This section authorizes USDA to allow non-Federal entities to use and invest in capital improvements on USDA-owned land. (7 U.S.C. 2204 note, adds section 307 to Title III of the Federal Crop Insurance and Department of Agriculture Reorganization Act of 1994)

SEC. 7315. EXCHANGE/SALE AUTHORITY

This section authorizes USDA to exchange, sell, or otherwise dispose of any qualified items of personal property and to retain and apply the sale or other proceeds to acquire any qualified items of personal property or to offset costs related to the maintenance, care, or feeding of any qualified items of personal property. (7 U.S.C. 2204 note, adds section 308 to Title III of the Federal Crop Insurance and Department of Agriculture Reorganization Act of 1994)

SEC. 7316. CARBON CYCLE RESEARCH

This section reauthorizes the carbon cycle research program established in the Agricultural Risk Protection Act of 2000 (7 U.S.C. 6711) and transfers authority from ARPA to the National Agricultural Research, Extension and Teaching Policy Act of 1977 (7 U.S.C. 1303).

- Authorizes \$15,000,000 per year

Subtitle E—National Institute of Food and Agriculture

SEC. 7401. NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

This section transfers all authorities under the Cooperative State Research, Education and Extension Service (CSREES) to a National Institute of Food and Agriculture (NIFA). All programs under CSREES will continue under NIFA. The Director of NIFA is required to

report to and consult with the Secretary on the research activities of NIFA. Four offices will be established under NIFA. First, the Office of Agricultural Research, Extension, and Education Network will house all of the infrastructure programs, also known as capacity programs, such as formula programs for State Agricultural Experiment Stations and the Extension Service. Second, the Office of Competitive Programs for Fundamental Research will house competitive programs that fund fundamental (basic) food and agricultural research, such as the National Research Initiative's projects that cover basic research. Third, the Office of Competitive Programs for Applied Research will house competitive programs for applied food and agricultural research. Fourth, the Office of Competitive Programs for Education and Other Purposes will house competitive programs for education and other fellowships. The Director of NIFA has the discretion to divide programs at intersect more than one competitive program offices.

Appropriations are authorized for NIFA, above the authorizations of individual programs, to be allocated according to recommendations in a roadmap to be undertaken by the Undersecretary of Research, Education and Economics. (7 U.S.C. 6972, adds Section 253 to Subtitle F of the Department of Agriculture Reorganization Act of 1994)

- Authorizes such sums as necessary per year

This section also modifies membership in the NAREEE Advisory Board from thirty-one members to twenty-four members. Members representing the following will no longer be a part of the NAREEE Advisory Board: a national animal commodity organization, a national crop commodity organization; a national aquaculture association; a non-land grant college or university with a historic commitment to research in the food and agricultural sciences; the portion of the scientific community not closely associated with agriculture; an agency within USDA that lacks research capabilities; a research agency of the Federal government other than USDA; and national organizations directly concerned with agricultural research, education, and extension. One member actively engaged in aquaculture was added to compensate for the loss of representation from a national aquaculture association. (7 U.S.C. 3123(b); Section 1408(b) of NARETP Act)

SEC 7402. COORDINATION OF AGRICULTURAL RESEARCH SERVICE AND NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

This section formalizes coordination between the Agricultural Research Service and the National Institute of Food and Agriculture, and requires an annual report to Congress on coordination between the agencies. It also tasks the Undersecretary for Research, Education, and Economics with undertaking a roadmap for agricultural research to identify major opportunities and gaps in agricultural research, extension, and education, and to use this roadmap to set the research agenda for the Department of Agriculture. (7 U.S.C. 2204, adds Section 307 to Title III of the Department of Agriculture Reorganization Act of 1994)

Subtitle F—Miscellaneous

SEC. 7501. JOINT NUTRITION MONITORING AND RELATED RESEARCH ACTIVITIES

This section reaffirms the joint nutrition monitoring and research activities conducted under the National Nutrition Monitoring and Related Research Act of 1990 by the Departments of Agriculture and Health and Human Services.

Sec. 7502. DEMONSTRATION PROJECT AUTHORITY FOR TEMPORARY POSITIONS

The DEMO authority was established within the Agricultural Research Service and the Forest Service in 1990, and it is the primary hiring mechanism for both agencies, but it did not include temporary hiring. This section authorizes the “DEMO” hiring process for temporary recruitment on an indefinite basis.

SEC. 7503. REVIEW OF PLAN OF WORK REQUIREMENTS

This section requires a review of the Plan of Work requirements under the National Agricultural Research, Extension, and Teaching Policy Act of 1977, the Hatch Act, and the Smith-Lever Act.

SEC. 7504. STUDY AND REPORT ON ACCESS TO NUTRITIOUS FOODS.

This section directs the Secretary to study and report on areas in the United States with limited access to affordable and nutritious food, with a focus on predominantly lower-income neighborhoods and communities.